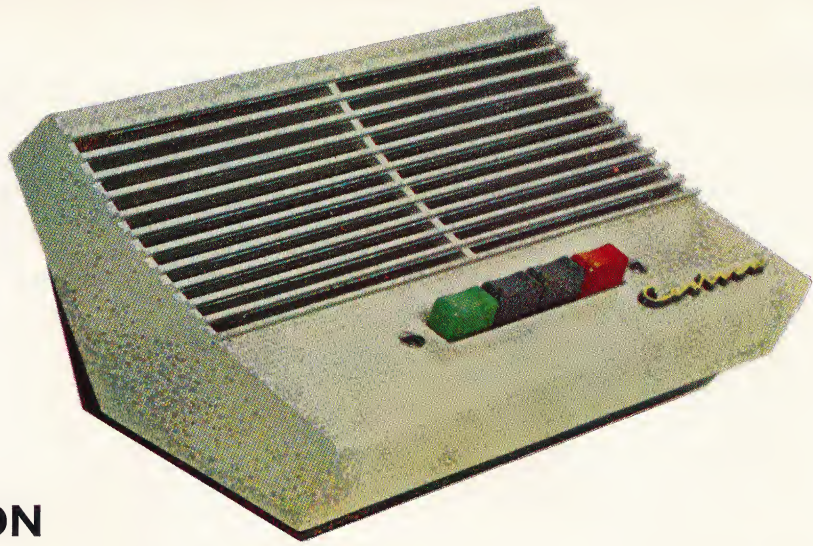
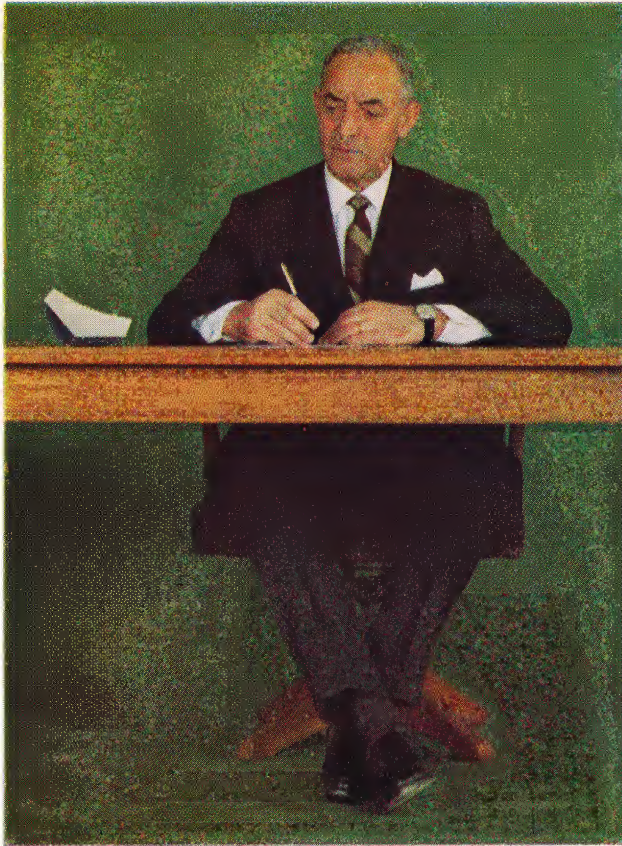


T-3



CENTRUM ALL-TRANSISTOR INTERCOMMUNICATION SYSTEM



Consisting of one master and up to two sub-stations, the Centrum T-3 System permits the called person to continue work uninterrupted and at a convenient distance from the instrument, without using a press-to-talk button. Calls can be made instantly from the master to either of the T-DS sub-stations, or vice-versa. The units are compact, easy to install, and feature accurate sound reproduction.

The Centrum T-3 System has many uses in the home, where its simplicity of operation allows even children to use the system, as well as for parents to converse to any corner of the house or workshop. In stores, laboratories, garages or for smaller businesses, it is an invaluable tool for getting work done without the constant interruption of walking to and fro, or suspending activities.

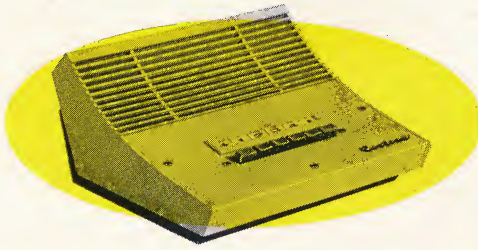
Specifications: The T-3 System is powered by 9 volt long-life batteries. Input sensitivity: 0.5 mv at 1000 cycles. Audio output: 1 watt. Privacy provision. Five conductors. Dimensions: 3" high x 7" wide x 5" deep.

Instantaneous calling between master and sub-stations.



OTHER ALL-TRANSISTOR CENTRUM SYSTEMS

If more stations are required than those allowed by the T-3 System, the Centrum T-5 and T-10 Systems allow the use of as many as 4 and 9 sub-stations, respectively. All three systems permit calls to be placed from the master to one of the T-DS sub-stations, or back to the master. If an all-master system is required, the T-6 System allows calls to be placed between any two of as many as 6 stations.



T-5

Master and up to 4 T-DS sub-stations. Privacy provision. Only 5 conductors. Master unit specs: Size, 9" w. x 4" h. x 6½" d. Input sensitivity, 0.5 mv @ 1000 c. Audio output, 1 w. Power, 9V long-life battery.

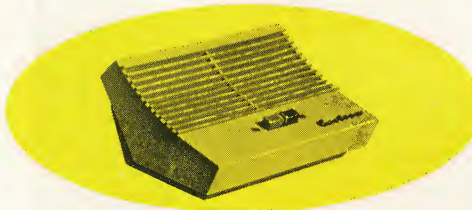
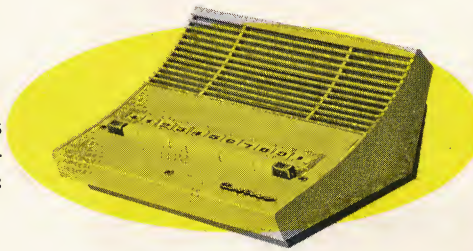
T-6

An all-master system for as many as 6 stations, allowing calls to be made from any station to any other station. Privacy button. Three common conductors plus one for each station in system. Other specs: identical to T-5.



T-10

Identical to T-5, but permits the use of as many as 9 T-DS sub-stations. Privacy provision. Only 5 conductors. Other specs: identical to T-5.

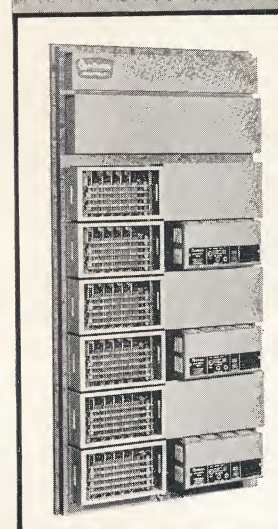
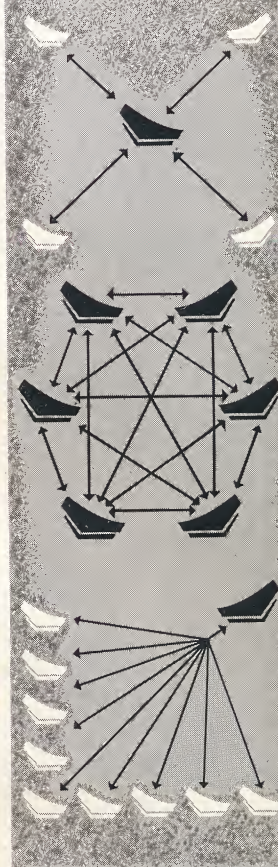
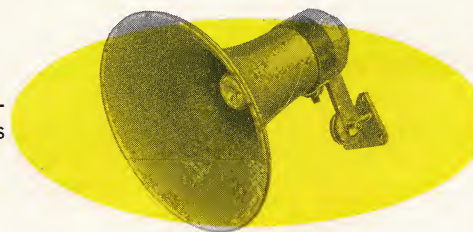


T-DS

Sub-station used with T-3, T-5 and T-10 Systems. No press-to-talk required. Same dimensions as T-3 master. Separate call and privacy controls.

H5-159

Horn loudspeaker for high noise areas provides same 2-way talk/listen facilities as other sub-stations.



For larger installations, Centrum manufactures systems controlled by automatic switchboards with a capacity of hundreds of stations. All systems are products of one of the world's leading manufacturers of communications and telephone equipment.

A SWEDISH TOP-QUALITY PRODUCT

2C6312

Available through:

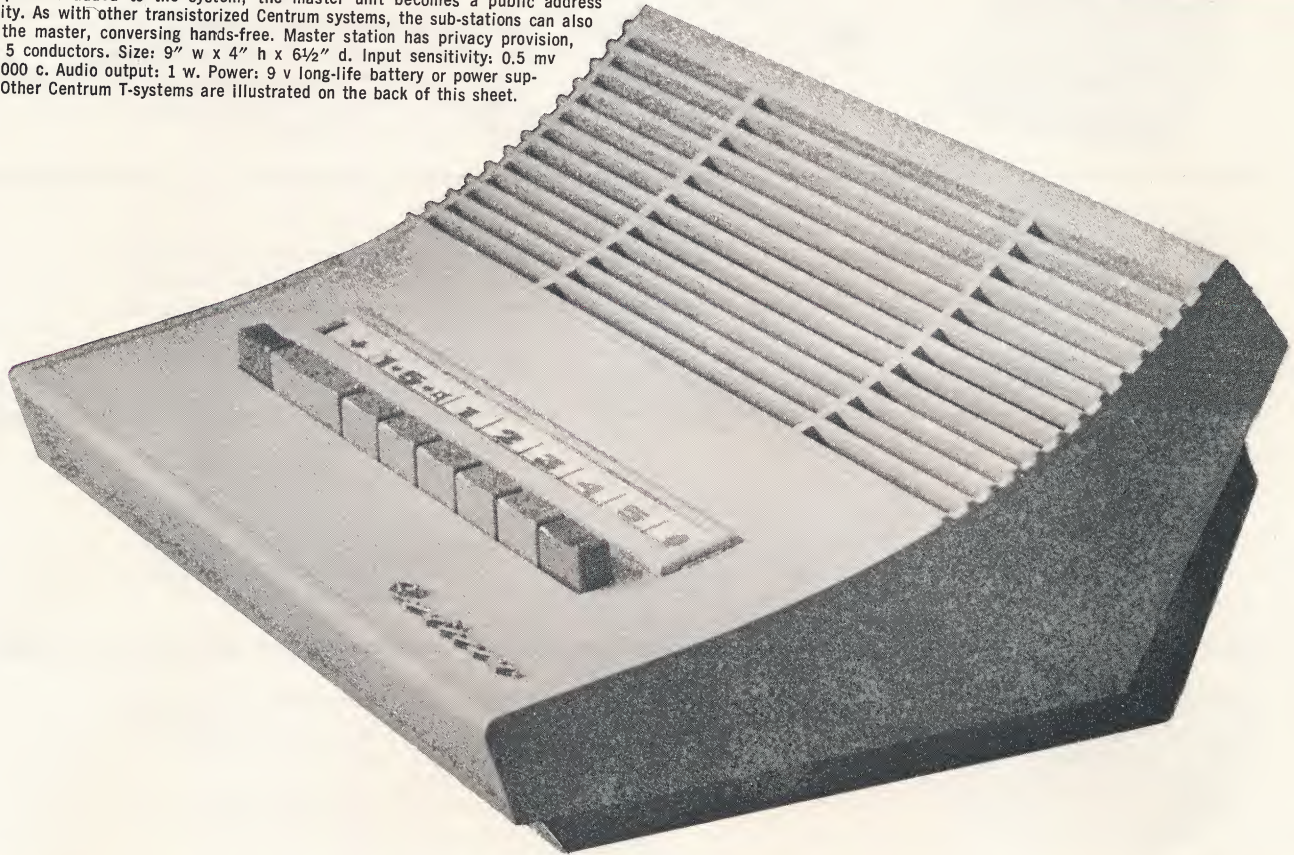
CENTRUM ELECTRONICS, INC.

545 FIFTH AVENUE, NEW YORK 17, N. Y. MURRAY HILL 2-4880

T5-S

A high-water mark of transistorized intercommunication is set by the Centrum T 5-S system, of which the master station is shown at right. In addition to the normal call facilities, which allow the master to call any of the 1 to 5 sub-stations in the system, the master station can also page, at the touch of a button, through all the sub-stations at the same time. With higher rated loudspeakers added to the system, the master unit becomes a public address facility. As with other transistorized Centrum systems, the sub-stations can also call the master, conversing hands-free. Master station has privacy provision, only 5 conductors. Size: 9" w x 4" h x 6½" d. Input sensitivity: 0.5 mv @ 1000 c. Audio output: 1 w. Power: 9 v long-life battery or power supply. Other Centrum T-systems are illustrated on the back of this sheet.

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CENTRUM TRANSISTORIZED INTERCOM SYSTEMS

Centrum transistorized systems for as few as three, or as many as 10, stations utilize the same high quality workmanship and unique design features of larger Centrum systems.

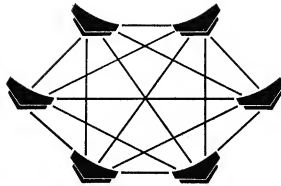
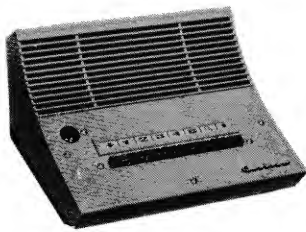
These are reliable precision instruments far superior to most intercoms in use today. The quality of the voice coming through the instrument is lifelike and undistorted. Even when the respondent talks from across the room (only the master station need touch the press-to-talk button), the voice quality is natural and easily understood.

A Centrum system will give years of trouble-free service in many applications, ranging from the smallest professional office or the home to large stores, factories, and offices. A wide range of accessory equipment is available to increase further the utility of a Centrum system. The system operates through a both long-life battery or power supply.

Information on Centrum transistorized systems, both single-master and all-master, as well as larger systems capable of handling up to thousands of stations, is available from your local representative or the address below.

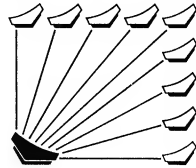
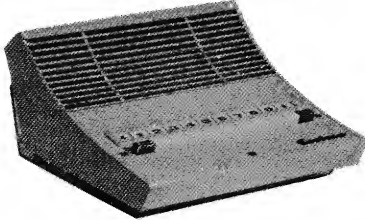
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820 Second Avenue • New York City 10017



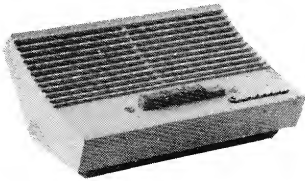
T-6

An all-master system for as many as 6 stations, allowing calls to be made from any station to any other station. Privacy. Three common conductors plus one for each station in system. Size, power, input sensitivity, audio output: identical to T 5-S.



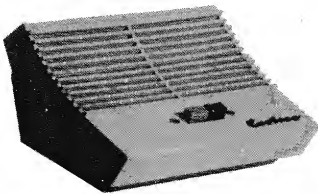
T-10

This master controls up to 9 sub-stations. As with the T-3 and T 5-S, the TD-S subs can contact the master by direct voice call, which obviates any need for lamp or buzzer signals. Privacy. Size, power, input sensitivity, audio output: identical to T 5-S.



T-3

Master and up to two sub-stations, for smaller offices, home workshops, stores, etc. TD-S sub-stations can call back master. Easy installation, full privacy. Size: 7" w x 3" h x 5" d. Power, input sensitivity, audio output: identical to T 5-S.



T-DS

Sub-station with separate call and privacy buttons. When being called, you may answer at a distance from the instrument. Size: 7" w x 3" h x 5" d.

6105 (not shown)

Identical to T-DS but has no call or privacy provisions. For corridors, anterooms, etc. Operation is hands-free.



6202

Weatherproof sub-station with call-button for outdoor locations, workshops, garages, etc. No privacy provision. Wall-mounted. Size: 3¼" w x 6" h x 1½" d.



6316

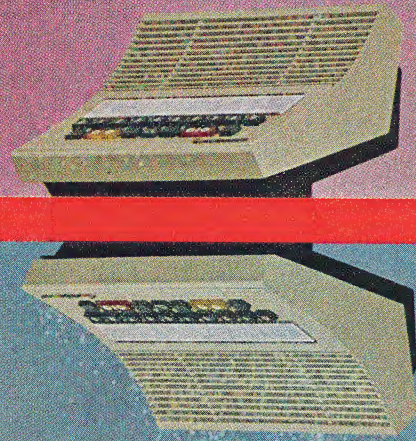
Powerful horn loudspeaker for noisy factory areas, workshops or outdoor sites where increased volume is required. Can answer but not originate calls. Size: 7¾" diameter x 7" d.



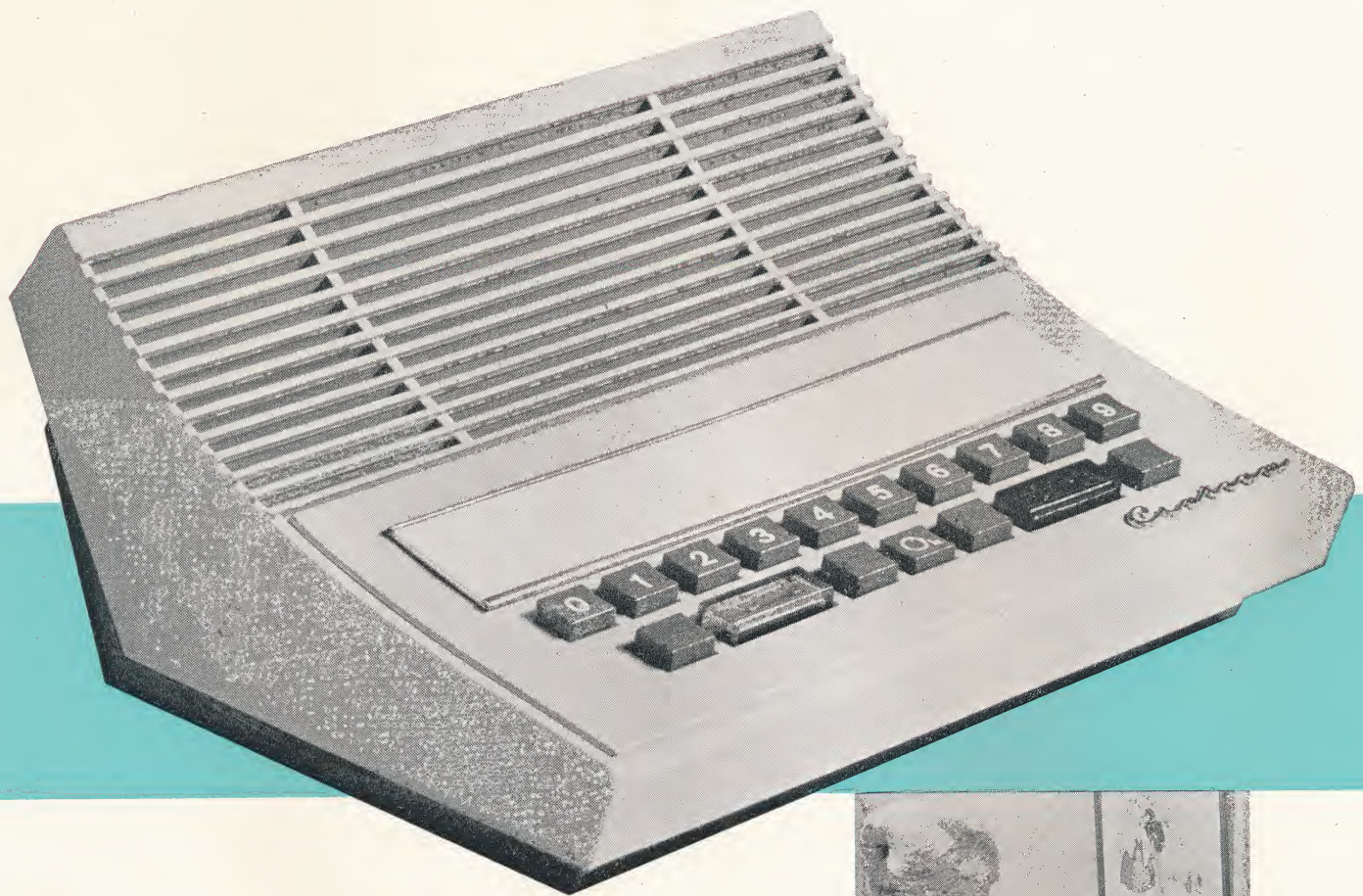
6107

Power-supply for all Centrum T-systems, can be used in place of 9 v long-life battery. Input: 110V ac. Size: 3⅝" w x 5½" h x 3¼" d.

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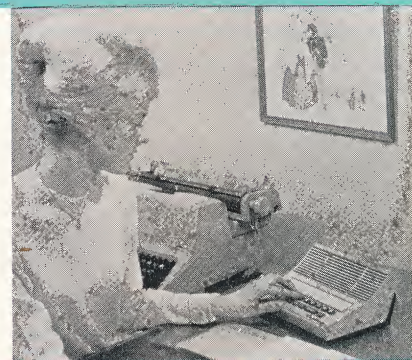
Instantaneous, Hands-free Intercommunication: A Revolutionary Management Technique!

Larger businesses find that effective inter-office and plant communication is difficult to attain. Frequently, the larger the company, the harder it is to achieve an instant "chain of command" between the farthest reaches of the organization.

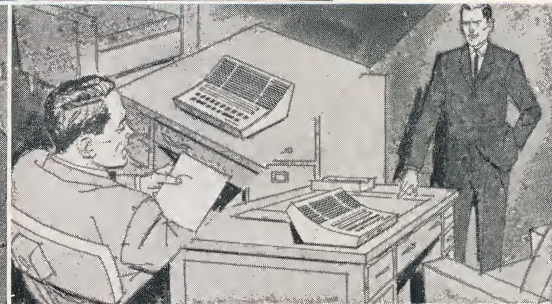
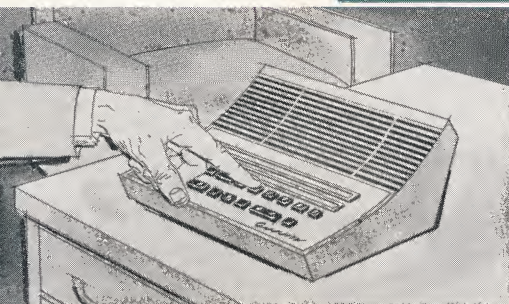
Telephones, often used for this purpose, create delays through dialing and waiting for a response; they entail use of an inconvenient "hold" on outside calls while inside calls are being placed; they are audible only to the parties using the phones, and cumbersome.

When the need for a second, independent intercommunication system is met by the use of a standard intercom system, other limitations may exist. A bulky cable, containing separate wires for each station in the system, prevents the use of a large installation. The customary "push-to-talk" switch is a familiar inconvenience; and a rasping, hard-to-read tone quality is common.

The Centrum Futura System effectively answers the need for a time-saving cost-cutting means of intercommunication for offices and plants of any size. Its fully-automatic switchboard control, instant calling, hands-free operation and true fidelity are unique practical assets, enabling every member of the organization to communicate instantly with any other member, and to converse normally and easily. The result? A new dimension in office economy and convenience.



NTRUM *FUTURA* SYSTEM



1 Digit buttons are touched to activate the system.

2 Instantly, light appears on receiving station and audible signal is heard.

3 Both stations are now activated. Hands-free conversation permits both parties to take notes or continue working. Caller terminates call by touching "off" button. That's all there is to it.

What Is the Futura System?

The Centrum Futura is an automatic exchange system that enables medium and large-sized organizations to solve their intercommunication problem. Because of this feature, hundreds of stations can be interconnected through a small 4-conductor cable that plugs into an inconspicuous wall outlet.

Operation is simplicity itself. The touch of a finger to the desired digit buttons instantly activates any station in the system. There is no further need to touch the set until the call is completed, as electronic voice-switching leaves both parties' hands-free to continue working or taking notes.

Conversations can be held at a normal voice level, as the instrument reproduces sound faithfully and clearly. However, special units are available for virtually every industrial workshop application. Also available are telephone handsets, close-talking microphones and high-rated loudspeakers for areas having a high noise level, as well as special paging and executive priority systems, secretarial intercepts and conference facilities.

The Centrum Futura System is manufactured by a company known throughout the world for its high quality communications products, and is maintained and serviced by a nationwide marketing organization.

Key Features of the System

Central control through automatic exchanges.

Feather-light pushbutton calling between two or hundreds of stations. Instantaneous connection: no waiting for response.

Audible and visible call signals—and privacy button. Busy signal.

Electronic voice-switching enabling hands-free operation on both sides of conversation. Amplifier button to increase volume in high noise areas.

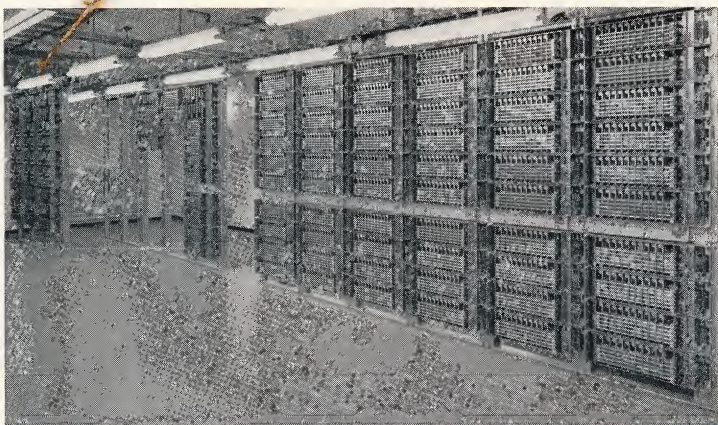
Lifelike sound reproduction—person-to-person fidelity.

Inexpensive installation. No bulky and expensive cabling: only 4 conductors to each station. Wall jack connections.

Modern functional design—high quality workmanship.

Wide variety of special equipment available, including:

- Industrial units.
- Slave units.
- Telephone handsets.
- Close-talking microphones.
- High-rated loudspeakers.
- Priority devices.
- Paging circuits.
- Secretarial intercepts.
- Conference circuits.

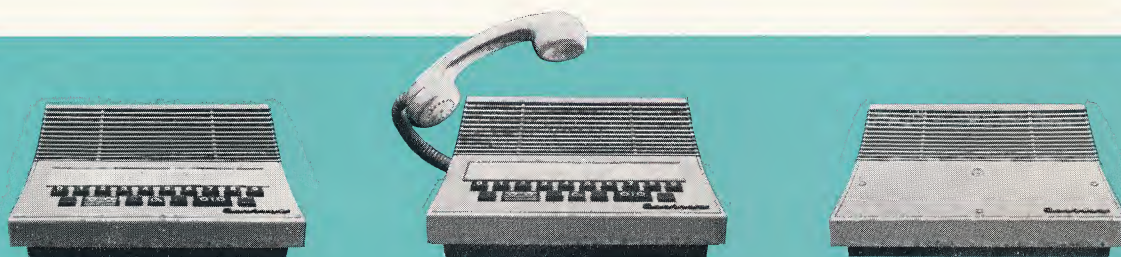
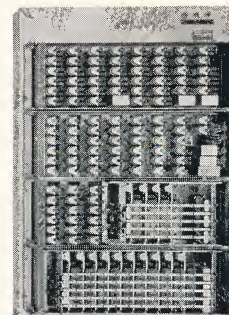


Large-scale Centrum Futura installations are controlled by the CE/800 exchange, which has a capacity of thousands of stations. Based on a modular expansion principle, the exchange is composed of rack-mounted modules corresponding to the number of stations and types of accessory equipment in the system. It may be connected with other Centrum exchanges to provide for even further expansion. The CE/800 contains provisions for instant calling, electronic voice-switching, and priorities of various degrees.

The Centrum electronic voice switch is a built-in feature of all Centrum exchanges. It virtually eliminates acoustic feed-back problems. Conversations can be held in a normal talking voice by both parties, while their hands are left free to work or take notes.



The compact CE40/3 is a medium-capacity exchange, capable of handling up to 40 stations with 3 connecting circuits. Like other Centrum exchanges (having capacities from 15 to thousands of stations), it uses the most modern crossbar switching techniques. It may be connected with other Centrum exchanges for further expansion.



MASTER STATION

A call is made by digit-buttons. Thereafter, the conversation is hand-free for both parties. The Centrum 6302/6312 station has both tone and light call signals and automatic cancelling of first "wrong" digit on incompleting calls. Installation requires only a standard two-pair telephone cable.

STATION WITH HANDSET

The Centrum 6303/6313 station, one of the wide range of stations available, is identical with the master station at the left, with the addition of a handset and cradle for complete privacy. Lifting the handset automatically transfers both sides of the conversation to the handset. Otherwise, the station provides hands-free talk-listen operation.

SUB-STATION

For locations in the Centrum Futura system where calls to other stations need not be originated, such as anterooms and corridors, the 6307/6327 sub-station fills the requirement. It provides the hands-free operation, true voice reproduction, and tone-with-light call signals of other Centrum stations. May be desk or wall-mounted.

INDUSTRIAL STATION

For outdoor sites and dusty or noisy locations such as the plant floor, the Centrum 6305/6315 station allows hands-free conversation under normal ambient noise conditions. Manual over-ride of voice-switching is also provided, as in all Centrum stations. This unit is sealed against dust and moisture in an aluminum alloy housing, and is wall-mounted.

For smaller installations, Centrum manufactures a wide range of direct-line all-transistor intercommunication systems.



CENTRUM ELECTRONICS, INC.

820 SECOND AVENUE, NEW YORK, N. Y. 10017

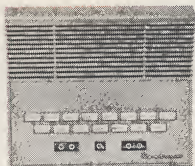
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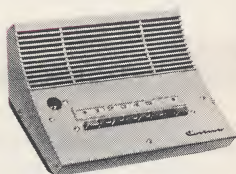
PRINTED IN SWEDEN
SÄTTERBERG & KROOK, STOKHOLM
EXPORT FOR SPREADING UTOMATEN

Other Centrum Systems

GB Systems: Perfect for offices having up to 15 stations. The GB Duplex system provides hands-free communication on both sides of the conversation, through automatic electronic voice-switching. The GB Simplex system is identical, except for automatic voice switching. It is operated with a press-to-talk button at the calling stations. A wide variety of special equipment is available for both systems. Master stations are intermixable and come in GB-2, GB-7 and GB-15 sizes, capable of handling up to 2, 7 and 15 stations respectively.



T - Systems: The T-6 system is a battery-operated, voice-call, transistorized, all-master system for as many as six stations, and features traditional high-quality workmanship and sound reproduction. Other transistorized systems, such as T-3, T-5 and T-10, include one master and up to 10 call-originating substations.



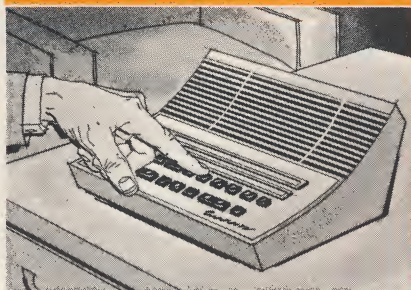
For Free Demonstration in Your Office:

Only two inter-
communication
systems are
practical for
large offices
and plants. One
is the telephone.
This booklet
describes the other.

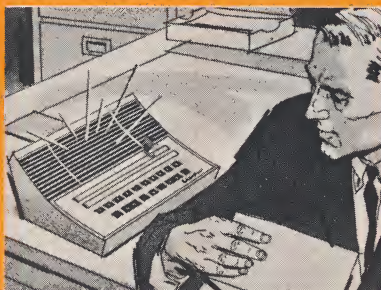


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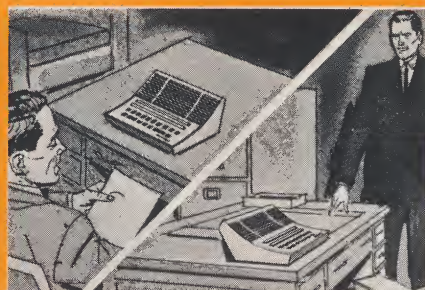
The Centrum Futura System: Instantaneous, Hands-free Intercommunication between Two- or Thousands- of Stations!



Digit buttons are touched to activate the system.



Instantly, light appears on receiving station and audible signal is heard.



Both stations are now activated. Hands-free conversation permits both parties to take notes or continue working.

The Centrum Futura is an automatic exchange system that enables medium and large-sized organizations to solve their intercommunication problem. Because of this feature, hundreds of stations can be interconnected through a small 4-conductor cable that plugs into an inconspicuous wall outlet.

Operation is simplicity itself. The touch of a finger to the desired digit buttons instantly activates any station in the system. There is no further need to touch the set until the call is completed, as electronic voice-switching leaves both parties' hands-free to continue working or taking notes.

Conversations can be held at a normal voice level, as the instrument reproduces sound faithfully and clearly. However, special units are available for virtually every industrial workshop application. Also available are telephone handsets, close-talking microphones and high-rated loudspeakers for areas having a high noise level, as well as special paging and executive priority systems, secretarial intercepts and conference facilities.

The Centrum Futura System represents an intercommunication breakthrough, even for large offices and plants. It provides vast savings in personnel time and effort, as well as lower phone rentals. Does this system have **everything**? Indeed it does, as these exclusive features indicate.

- Feather light pushbutton calling, between 2 or thousands of stations.
- Audible and visible call signals — and privacy.
- Hands-free, electronic voice switching on **both** sides of conversation.
- True sound reproduction.
- Wall jack connections. Only 4 conductors. Handsome styling.



The Futura system is the biggest step forward since the telephone. Like the telephone, it is controlled by centrally-located automatic exchanges, enabling up to thousands of stations to be interconnected. But the Futura system also provides the advantage of instant, hands-free communication with anybody in your office or plant, thus clearing your telephone system for the valuable outside calls for which it is primarily intended.